Minuteman 5™
LED Retrofit Kit For Bulkhead Fixture
LED Replacement Components for 150 Watt & 175 Watt HID Fixtures

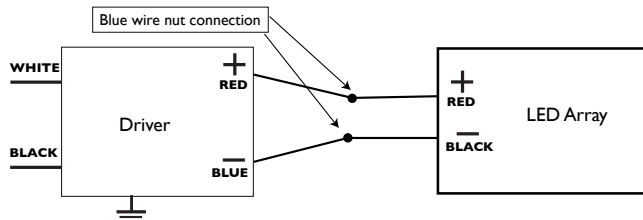*"Fits Any Bulkhead Housing 10.5"H x 10.5"W x 2.75"D or Larger"*

Made In USA

Front

Back

LED Retrofit Kit Model Number
CBLK35/1.0/50
Fits Lighting Housing:
10.5"H x 10.5"W x 2.75"D or Larger

Kit Includes:
- **Two-Output Channel, Class 2 LED Driver, Model Number: AC-35C1.0AUA**
- **1 PCB LED Arrays with 10 Samsung LEDs mounted to industrial grade aluminum LED Driver bracket**
- **Instructions for Installation**
- **All required assembly hardware**

Wiring Diagram

Blue wire nut connection

WHITE

Driver

+ RED

BLACK

— BLUE

+ RED

— BLACK

LED Array

Warranty

LED Retrofit Kit warranty is only valid when it is used in 10.5"H x 10.5"W x 2.75"D or larger lighting housing it was designed to be used in unless otherwise approved in writing by AC Electronics. Any other use in any other lighting housing or use with non-AC specified or supplied components will void this warranty.

*AC warrants to the purchaser that this LED Retrofit Kit will be free from defects in material or workmanship for a period of 5 years from date of manufacture, when operated at a maximum ambient temperature of 110°F or 45°C, when properly installed and under normal conditions of use.

The warranty excludes damage resulting from improper installation or damage caused by fire or severe weather conditions including, but not limited to, lightning and storms. Evidence of direct exposure to water on the failed units voids the warranty.

Specifications

Item	Specification
Input Voltage	120-277V, 50/60Hz
LED CRI	72.7
Fixture CRI	72.5
LED Color Temperature	5000K
Kit Lumens (Outside Fixture)	3004 Lumen
Fixture Lumens	2534 Lumen
Lumen Maintenance	≥79% @5 years
Fixture Efficacy	68 Lumen/Watt
Zonal Lumen Requirement	Not Measured
Warranty	5 years*
LED Quantity (Brand: Samsung LH351B)	10
LED TMP Temperature @25°C	81.5°C
Input Power	37W
Driver Efficiency	84%
Power Factor @277V	0.95
THD @277V	20%
Driver TMP temp @25°C Ambient	57°C
Noise	<24dB
EMI	FCC part 15
Max Operating Temperature	45°C Ambient
Min Operation Temperature	-40°C
Dimensions	10.5"L x 10.5"W x 2.75"D

RoHS COMPLIANT LEAD-FREE

c UL us Components

Bodine ELI-100-SD Battery Backup Device
Approved For Use With AC LED Retrofit Kits

This device will operate 1 or 2 kits for a minimum of 90 minutes in the absence of main power.
- 120/277V, 60Hz, 100W Max Load
- 120W Input Power Rating

- Test Switch
- Charging Indicator Light
- Temperature Rating (Ambient) 68° F to 86° F (20° C to 30° C)
- <u>Not included</u>, available from Phillips

Tork® 2107 Photocell
Approved For Use With AC LED Retrofit Kits

- 120/277V 1800 VA Ballast Load
- 1 To 5 FC Turn On Light Level
- 3 To 15 FC Turn Off Light Level
- SPST Switch
- 16 AWG 6 Inch Wire Lead Terminal

- Temperature Rating -40 to 140°F
- 1/2" Conduit Mounting
- <u>Not included</u>, available from secondary sources

AC Electronics LED Retrofit Kit vs. Standard HID Lights

Wall Pack Light Source	Input Wattage	Lifespan Hrs/Yrs	Energy Use (24hrs/day) Annual	Annual Cost (maintenance + electricity) @ $0.11/kWh	Electrical Cost Savings
HID	165	24,000/ 2.7	1446 kWh	$159.00	
LED	38	50,000/ 5.7	333 kWh	$36.63	77%

ACElectronics™
ACELEDS.COM